

Practitioner's Docket No. 421/90 PCT/US  
Serial No. 10/583,570

CHAPTER II
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IN THE UNITED STATES ELECTED OFFICE (EO/US)

PCT/US04/42706

20 December 2004  
(20.12.04)

19 December 2003 (19.12.03)

International Application No.

International Filing Date

Priority Date Claimed

METHODS FOR FABRICATING ISOLATED MICRO- AND NANO- STRUCTURES USING  
SOFT OR IMPRINT LITHOGRAPHY

Title of Invention

The University of North Carolina at Chapel Hill et al.

Applicant(s)

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
ATTENTION: EO/US

COMPLETION OF FILING REQUIREMENTS  
FOR INTERNATIONAL APPLICATION ENTERING U.S. NATIONAL STAGE  
IN U.S. ELECTED OFFICE (EO/US) UNDER 35 U.S.C. § 371

This replies to the Notice of Missing Requirements under 35 U.S.C. § 371 and 37 C.F.R. § 1.495 (FORM PCT/DO/EO/905).

A copy of FORM PCT/DO/EO/905 accompanies this response.

EXPRESS MAILING UNDER 37 C.F.R. § 1.10\*

(Express Mail label number is *mandatory*.)

(Express Mail certification is *optional*.)

I hereby certify that this paper, along with any document referred to, is being deposited with the United States Postal Service on this date  
March 5, 2007 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 as "Express Mail Post Office to Addressee" Mailing Label No.  
EV944038653US.

*Stacie H. Boswell*

Stacie H. Boswell

Date: March 5, 2007

\_\_\_\_\_  
Signature of person certifying

**WARNING:** Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

**\*WARNING:** Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. 1.10(b).

"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

### DECLARATION OR OATH

- I. The declaration or oath that was filed was determined to be defective. A new original oath or declaration is attached. Please note that the 8<sup>th</sup> inventor's name is different on the declaration than on the international application due to marriage. Prior to marriage, the 8<sup>th</sup> inventor's name was Ginger Denison. After marriage, her name was changed to Ginger Denison Rothrock.

### EXTENSION OF TIME

- II. The proceedings herein are for a patent application. Accordingly, the provisions of 37 C.F.R. § 1.136(a) apply.

Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.

### FEES

- III. 1. Surcharge fees

Surcharge for filing the oath or declaration  
later than thirty months from the priority  
date pursuant to § 1.495(c):

\$130.00

**Total Fees**

**\$130.00**

### TOTAL FEE DUE

- IV. The total fee due is:  
Completion fee(s)

\$130.00

**TOTAL FEE DUE \$130.00**

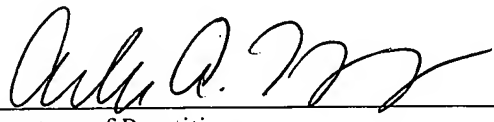
### PAYMENT OF FEES

- VI. A check in the amount of \$130.00 is enclosed herewith and the Commissioner is hereby authorized to charge any additional fees required by this paper or credit any overpayment to Deposit Account Number 50-0426.

A duplicate of this request is attached.

Date: 05 March 2007

Reg. No.: 39,395  
Tel. No.: 001-919-493-8000  
Customer No.: 25297

  
\_\_\_\_\_  
Signature of Practitioner  
Arles A. Taylor, Jr.  
Jenkins, Wilson, Taylor & Hunt, P.A.  
Suite 1200 University Tower  
3100 Tower Boulevard  
Durham, NC 27707  
UNITED STATES OF AMERICA

03/08/2007 LLANDGRA 00000040 10583570

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## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/583,570	Joseph M DeSimone	421/90 PCT/US

INTERNATIONAL APPLICATION NO.
PCT/US04/42706

I.A. FILING DATE	PRIORITY DATE
12/20/2004	12/19/2003

25297  
JENKINS, WILSON, TAYLOR & HUNT, P. A.  
3100 TOWER BLVD  
SUITE 1200  
DURHAM, NC 27707

Initial: 4/14/07  
Absolute: 9/14/07  
PAT/ALD  
421/90 PCT/US  
CAB  
2/19/07

CONFIRMATION NO. 8879  
371 FORMALITIES LETTER



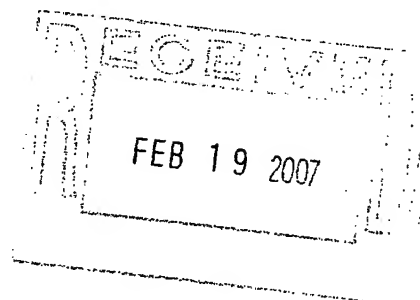
\*OC000000022474305\*

Date Mailed: 02/14/2007

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 06/19/2006
- Preliminary Amendments filed on 06/19/2006
- Oath or Declaration filed on 06/19/2006
- Biochemical Sequence Listing filed on 06/19/2006
- U.S. Basic National Fees filed on 06/19/2006
- Priority Documents filed on 06/19/2006
- Specification filed on 06/19/2006
- Claims filed on 06/19/2006
- Drawings filed on 06/19/2006
- Paper nucleotide sequence listings filed on 06/19/2006



The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - The declaration is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68. Also, the 8th inventor's name is different on the declaration than on the international application. Please clarify.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is **\$130** for a Large Entity:

- **\$130 Surcharge.**
- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

Additionally the following defects have been observed:

- The International Search Report has not be supplied, the Search Fee has been adjusted to reflect this omission.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

**For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:**

- **For Rules Interpretation, call (571) 272-0951**
- **For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.**
- **Send e-mail correspondence for Patentin Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)**

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

JOHN L ANDERSON

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Telephone: (703) 308-9140 EXT 211

## PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/583,570	PCT/US04/42706	421/90 PCT/US

FORM PCT/DO/EO/905 (371 Formalities Notice)